

## Estimating 2007 Costs of Production

### Wheat Following Rice, Sand/Silt Loam Soils

AG-972-08-06

**Rob Hogan, Assistant Professor/Extension Economist**

**Scott Stiles, Extension Economist**

**Jason Kelly, Assistant Professor/Extension Wheat Specialist**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS <sup>1</sup>					
DAP 18-46-0	lb	0.15	150.0000	22.88	_____
Urea, Solid (46% N)	lb	0.12	290.0000	37.51	_____
HERBICIDES					
Harmony Extra	oz	13.05	0.5000	6.53	_____
CROP SEED					
Wheat Seed Public	lb	0.20	100.0000	20.00	_____
ADJUVANTS					
Surfactant (80-20)	pt	1.24	0.2000	0.25	_____
CUSTOM HIRE					
Cstm Ap Grd Fert	acre	5.00	1.0000	5.00	_____
Cstm Ap Air Fert	lb	0.05	290.0000	15.95	_____
Cstm Ap Air - 5 gal	appl	5.50	1.0000	5.50	_____
Cstm Haul Wheat	bu	0.15	50.0000	7.50	_____
OPERATOR LABOR					
Tractors	hour	9.00	0.4472	4.02	_____
Harvesters	hour	9.00	0.1021	0.92	_____
HAND LABOR					
Implements	hour	7.80	0.0942	0.74	_____
DIESEL FUEL					
Tractors	gal	2.22	4.3755	9.71	_____
Harvesters	gal	2.22	1.2617	2.80	_____
REPAIR & MAINTENANCE					
Implements	acre	3.00	1.0000	3.00	_____
Tractors	acre	1.59	1.0000	1.59	_____
Harvesters	acre	1.75	1.0000	1.75	_____
INTEREST ON OP. CAP.	acre	6.21	1.0000	6.21	_____
				-----	
TOTAL DIRECT EXPENSES				151.86	_____
FIXED EXPENSES					
Implements	acre	8.13	1.0000	8.13	_____
Tractors	acre	12.25	1.0000	12.25	_____
Harvesters	acre	8.39	1.0000	8.39	_____
				-----	
TOTAL FIXED EXPENSES				28.77	_____
				-----	
TOTAL SPECIFIED EXPENSES				180.63	_____

<sup>1</sup> The fertilizer is only for a single crop of wheat not for a soybean-wheat double crop.

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**Table 2. Estimated resource use and costs for field operations, per acre, Wheat Following Rice, Sand/Silt Loam Soils, 2007**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	28'	MFWD 225	0.070	2.00	Oct	4.19	4.46	1.11	2.94	0.14	1.26				13.96
Cstm Ap Grd Fert	acre			1.00	Oct							1.0000	5.00	5.00	5.00
DAP 18-46-0	lb											150.0000	0.15	22.88	22.88
Field Cultivate	24'	MFWD 170	0.062	1.00	Oct	1.41	1.57	0.28	1.47	0.06	0.56				5.29
Land Plane	50'x16'	MFWD 190	0.121	1.00	Oct	3.07	3.37	0.16	0.52	0.12	1.09				8.21
Grain Drill	20'	MFWD 170	0.094	1.00	Oct	2.14	2.37	0.94	2.26	0.18	1.59				9.30
Wheat Seed Public	lb											100.0000	0.20	20.00	20.00
Ditcher	3'	2WD 130	2.909	0.01	Oct	0.49	0.48	0.05	0.08	0.02	0.26				1.36
Cstm Ap Air Fert	lb			1.00	Feb							145.0000	0.05	7.98	7.98
Urea, Solid (46% N)	lb											145.0000	0.12	18.75	18.75
Cstm Ap Air - 5 gal	appl			1.00	Mar							1.0000	5.50	5.50	5.50
Harmony Extra	oz											0.5000	13.05	6.53	6.53
Surfactant (80-20)	pt											0.2000	1.24	0.25	0.25
Cstm Ap Air Fert	lb			1.00	Mar							145.0000	0.05	7.98	7.98
Urea, Solid (46% N)	lb											145.0000	0.12	18.75	18.75
Header Wheat/Sorghum	25' Rigid	240hp	0.102	1.00	Jun	4.55	8.39	0.46	0.86	0.10	0.92				15.18
Cstm Haul Wheat	bu											50.0000	0.15	7.50	7.50
TOTALS						15.85	20.64	3.00	8.13	0.64	5.68			121.12	174.42
INTEREST ON OPERATING CAPITAL															6.21
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															180.63

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## Estimating 2007 Costs of Production

### Wheat Following Rice, Clay Soils

AG-973-08-06

**Rob Hogan, Assistant Professor/Extension Economist**

**Scott Stiles, Extension Economist**

**Jason Kelly, Assistant Professor/Extension Wheat Specialist**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS <sup>1</sup>					
DAP 18-46-0	lb	0.15	150.0000	22.88	_____
Urea, Solid (46% N)	lb	0.12	320.0000	41.39	_____
HERBICIDES					
Harmony Extra	oz	13.05	0.5000	6.53	_____
CROP SEED					
Wheat Seed Public	lb	0.20	120.0000	24.00	_____
ADJUVANTS					
Surfactant (80-20)	pt	1.24	0.2000	0.25	_____
CUSTOM HIRE					
Cstm Ap Grd Fert	acre	5.00	1.0000	5.00	_____
Cstm Ap Air Fert	lb	0.05	320.0000	17.60	_____
Cstm Ap Air - 5 gal	appl	5.50	1.0000	5.50	_____
Cstm Haul Wheat	bu	0.15	50.0000	7.50	_____
OPERATOR LABOR					
Tractors	hour	9.00	0.4472	4.02	_____
Harvesters	hour	9.00	0.1021	0.92	_____
HAND LABOR					
Implements	hour	7.80	0.0942	0.74	_____
DIESEL FUEL					
Tractors	gal	2.22	4.3755	9.71	_____
Harvesters	gal	2.22	1.2617	2.80	_____
REPAIR & MAINTENANCE					
Implements	acre	3.00	1.0000	3.00	_____
Tractors	acre	1.59	1.0000	1.59	_____
Harvesters	acre	1.75	1.0000	1.75	_____
INTEREST ON OP. CAP.	acre	6.63	1.0000	6.63	_____
TOTAL DIRECT EXPENSES				161.80	_____
FIXED EXPENSES					
Implements	acre	8.13	1.0000	8.13	_____
Tractors	acre	12.25	1.0000	12.25	_____
Harvesters	acre	8.39	1.0000	8.39	_____
TOTAL FIXED EXPENSES				28.77	_____
TOTAL SPECIFIED EXPENSES				190.57	_____

<sup>1</sup> The fertilizer is only for a single crop of wheat not for a soybean-wheat double crop.

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University of Arkansas, United States Department of Agriculture and County Governments Cooperating

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of race, color, national origin, religion, gender, age, disability, marital or veteran status, or any other legally protected status, and is an Equal Opportunity Employer.

**Table 2. Estimated resource use and costs for field operations, per acre, Wheat Following Rice, Clay Soils, 2007**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	28'	MFWD 225	0.070	2.00	Oct	4.19	4.46	1.11	2.94	0.14	1.26				13.96
Cstm Ap Grd Fert	acre			1.00	Oct							1.0000	5.00	5.00	5.00
DAP 18-46-0	lb											150.0000	0.15	22.88	22.88
Field Cultivate	24'	MFWD 170	0.062	1.00	Oct	1.41	1.57	0.28	1.47	0.06	0.56				5.29
Land Plane	50'x16'	MFWD 190	0.121	1.00	Oct	3.07	3.37	0.16	0.52	0.12	1.09				8.21
Grain Drill	20'	MFWD 170	0.094	1.00	Oct	2.14	2.37	0.94	2.26	0.18	1.59				9.30
Wheat Seed Public	lb											120.0000	0.20	24.00	24.00
Ditcher	3'	2WD 130	2.909	0.01	Oct	0.49	0.48	0.05	0.08	0.02	0.26				1.36
Cstm Ap Air Fert	lb			1.00	Feb							160.0000	0.05	8.80	8.80
Urea, Solid (46% N)	lb											160.0000	0.12	20.69	20.69
Cstm Ap Air - 5 gal	appl			1.00	Mar							1.0000	5.50	5.50	5.50
Harmony Extra	oz											0.5000	13.05	6.53	6.53
Surfactant (80-20)	pt											0.2000	1.24	0.25	0.25
Cstm Ap Air Fert	lb			1.00	Mar							160.0000	0.05	8.80	8.80
Urea, Solid (46% N)	lb											160.0000	0.12	20.69	20.69
Header Wheat/Sorghum	25' Rigid	240hp	0.102	1.00	Jun	4.55	8.39	0.46	0.86	0.10	0.92				15.18
Cstm Haul Wheat	bu											50.0000	0.15	7.50	7.50
TOTALS						15.85	20.64	3.00	8.13	0.64	5.68			130.64	183.94
INTEREST ON OPERATING CAPITAL															6.63
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															190.57

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## Estimating 2007 Costs of Production

### Wheat Following Crops Other Than Rice, Sand/Silt Loam Soils

AG-974-08-06

**Rob Hogan, Assistant Professor/Extension Economist**  
**Scott Stiles, Extension Economist**  
**Jason Kelly, Assistant Professor/Extension Wheat Specialist**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>FERTILIZERS<sup>1</sup></b>					
DAP 18-46-0	lb	0.15	150.0000	22.88	_____
Urea, Solid (46% N)	lb	0.12	250.0000	32.34	_____
<b>HERBICIDES</b>					
Harmony Extra	oz	13.05	0.5000	6.53	_____
<b>CROP SEED</b>					
Wheat Seed Public	lb	0.20	100.0000	20.00	_____
<b>ADJUVANTS</b>					
Surfactant (80-20)	pt	1.24	0.2000	0.25	_____
<b>CUSTOM HIRE</b>					
Cstm Ap Grd Fert	acre	5.00	1.0000	5.00	_____
Cstm Ap Air Fert	lb	0.05	250.0000	13.75	_____
Cstm Ap Air - 5 gal	appl	5.50	1.0000	5.50	_____
Cstm Haul Wheat	bu	0.15	50.0000	7.50	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.00	0.3770	3.39	_____
Harvesters	hour	9.00	0.1021	0.92	_____
<b>HAND LABOR</b>					
Implements	hour	7.80	0.0942	0.74	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.22	3.5631	7.90	_____
Harvesters	gal	2.22	1.2617	2.80	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	2.45	1.0000	2.45	_____
Tractors	acre	1.30	1.0000	1.30	_____
Harvesters	acre	1.75	1.0000	1.75	_____
INTEREST ON OP. CAP.	acre	5.78	1.0000	5.78	_____
<b>TOTAL DIRECT EXPENSES</b>				140.79	_____
<b>FIXED EXPENSES</b>					
Implements	acre	6.66	1.0000	6.66	_____
Tractors	acre	10.02	1.0000	10.02	_____
Harvesters	acre	8.39	1.0000	8.39	_____
<b>TOTAL FIXED EXPENSES</b>				25.07	_____
<b>TOTAL SPECIFIED EXPENSES</b>				165.86	_____

<sup>1</sup> The fertilizer is only for a single crop of wheat not for a soybean-wheat double crop.

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**Table 2. Estimated resource use and costs for field operations, per acre, Wheat Following Crops Other Than Rice, Sand/Silt Loam Soils, 2007**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.09	2.23	0.56	1.47	0.07	0.63				6.98
Cstm Ap Grd Fert	acre			1.00	Oct							1.0000	5.00	5.00	5.00
DAP 18-46-0	lb											150.0000	0.15	22.88	22.88
Field Cultivate	24'	MFWD 170	0.062	1.00	Oct	1.41	1.57	0.28	1.47	0.06	0.56				5.29
Land Plane	50'x16'	MFWD 190	0.121	1.00	Oct	3.07	3.37	0.16	0.52	0.12	1.09				8.21
Grain Drill	20'	MFWD 170	0.094	1.00	Oct	2.14	2.37	0.94	2.26	0.18	1.59				9.30
Wheat Seed Public	lb											100.0000	0.20	20.00	20.00
Ditcher	3'	2WD 130	2.909	0.01	Oct	0.49	0.48	0.05	0.08	0.02	0.26				1.36
Cstm Ap Air Fert	lb			1.00	Feb							125.0000	0.05	6.88	6.88
Urea, Solid (46% N)	lb											125.0000	0.12	16.17	16.17
Cstm Ap Air - 5 gal	appl			1.00	Mar							1.0000	5.50	5.50	5.50
Harmony Extra	oz											0.5000	13.05	6.53	6.53
Surfactant (80-20)	pt											0.2000	1.24	0.25	0.25
Cstm Ap Air Fert	lb			1.00	Mar							125.0000	0.05	6.88	6.88
Urea, Solid (46% N)	lb											125.0000	0.12	16.17	16.17
Header Wheat/Sorghum	25' Rigid	240hp	0.102	1.00	Jun	4.55	8.39	0.46	0.86	0.10	0.92				15.18
Cstm Haul Wheat	bu											50.0000	0.15	7.50	7.50
TOTALS						13.75	18.41	2.45	6.66	0.57	5.05			113.76	160.08
INTEREST ON OPERATING CAPITAL															5.78
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															165.86

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## Estimating 2007 Costs of Production

### Wheat Following Crops Other Than Rice, Clay Soils

AG-975-08-06

**Rob Hogan, Assistant Professor/Extension Economist**  
**Scott Stiles, Extension Economist**  
**Jason Kelly, Assistant Professor/Extension Wheat Specialist**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>FERTILIZERS<sup>1</sup></b>					
DAP 18-46-0	lb	0.15	150.0000	22.88	_____
Urea, Solid (46% N)	lb	0.12	300.0000	38.80	_____
<b>HERBICIDES</b>					
Harmony Extra	oz	13.05	0.5000	6.53	_____
<b>CROP SEED</b>					
Wheat Seed Public	lb	0.20	120.0000	24.00	_____
<b>ADJUVANTS</b>					
Surfactant (80-20)	pt	1.24	0.2000	0.25	_____
<b>CUSTOM HIRE</b>					
Cstm Ap Grd Fert	acre	5.00	1.0000	5.00	_____
Cstm Ap Air Fert	lb	0.05	300.0000	16.50	_____
Cstm Ap Air - 5 gal	appl	5.50	1.0000	5.50	_____
Cstm Haul Wheat	bu	0.15	50.0000	7.50	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.00	0.3770	3.39	_____
Harvesters	hour	9.00	0.1021	0.92	_____
<b>HAND LABOR</b>					
Implements	hour	7.80	0.0942	0.74	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.22	3.5631	7.90	_____
Harvesters	gal	2.22	1.2617	2.80	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	2.45	1.0000	2.45	_____
Tractors	acre	1.30	1.0000	1.30	_____
Harvesters	acre	1.75	1.0000	1.75	_____
INTEREST ON OP. CAP.	acre	6.31	1.0000	6.31	_____
<b>TOTAL DIRECT EXPENSES</b>				154.52	_____
<b>FIXED EXPENSES</b>					
Implements	acre	6.66	1.0000	6.66	_____
Tractors	acre	10.02	1.0000	10.02	_____
Harvesters	acre	8.39	1.0000	8.39	_____
<b>TOTAL FIXED EXPENSES</b>				25.07	_____
<b>TOTAL SPECIFIED EXPENSES</b>				179.59	_____

<sup>1</sup> The fertilizer is only for a single crop of wheat not for a soybean-wheat double crop.

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OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.09	2.23	0.56	1.47	0.07	0.63				6.98
Cstm Ap Grd Fert	acre			1.00	Oct							1.0000	5.00	5.00	5.00
DAP 18-46-0	lb											150.0000	0.15	22.88	22.88
Field Cultivate	24'	MFWD 170	0.062	1.00	Oct	1.41	1.57	0.28	1.47	0.06	0.56				5.29
Land Plane	50'x16'	MFWD 190	0.121	1.00	Oct	3.07	3.37	0.16	0.52	0.12	1.09				8.21
Grain Drill	20'	MFWD 170	0.094	1.00	Oct	2.14	2.37	0.94	2.26	0.18	1.59				9.30
Wheat Seed Public	lb											120.0000	0.20	24.00	24.00
Ditcher	3'	2WD 130	2.909	0.01	Oct	0.49	0.48	0.05	0.08	0.02	0.26				1.36
Cstm Ap Air Fert	lb			1.00	Feb							150.0000	0.05	8.25	8.25
Urea, Solid (46% N)	lb											150.0000	0.12	19.40	19.40
Cstm Ap Air - 5 gal	appl			1.00	Mar							1.0000	5.50	5.50	5.50
Harmony Extra	oz											0.5000	13.05	6.53	6.53
Surfactant (80-20)	pt											0.2000	1.24	0.25	0.25
Cstm Ap Air Fert	lb			1.00	Mar							150.0000	0.05	8.25	8.25
Urea, Solid (46% N)	lb											150.0000	0.12	19.40	19.40
Header Wheat/Sorghum	25' Rigid	240hp	0.102	1.00	Jun	4.55	8.39	0.46	0.86	0.10	0.92				15.18
Cstm Haul Wheat	bu											50.0000	0.15	7.50	7.50
TOTALS						13.75	18.41	2.45	6.66	0.57	5.05			126.96	173.28
INTEREST ON OPERATING CAPITAL															6.31
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															179.59

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